

ABSTRACT

A body frame of a vehicle for securing, in control of buckling, necessary strength without increasing the size of the frame member, and for reducing impact deceleration produced at the start of buckling. The body frame of has a frame member provided in one of a front portion and a rear portion of the vehicle; and a load imposing device, provided at an end of the frame member, for imposing a load on the frame member toward at least two opposite directions which are substantially perpendicular to a longitudinal direction of the frame member, when impact on the frame member is anticipated or imposed. The load imposing device may have a member made of a shape memory alloy.